



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/648,692A  
Source: 1FWJ6 -  
Date Processed by STIC: 4/22/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT

MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

## Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>09/648,692A</u>
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE</b>		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line <b>not exceed 72 characters</b> in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. <b>Do not use tab codes between numbers; use space characters, instead.</b>	
4 <input checked="" type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. <b>Please ensure your subsequent submission is saved in ASCII text.</b>	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. <b>Per Sequence Rules, each n or Xaa can only represent a single residue.</b> Please present the <b>maximum number</b> of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. <b>This applies to the mandatory &lt;220&gt;-&lt;223&gt; sections for Artificial or Unknown sequences.</b>	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If <b>Intentional</b> , please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is <b>MANDATORY</b> if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input checked="" type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is <b>MANDATORY</b> if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/648,692A

DATE: 04/23/2004

TIME: 11:49:45

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\04232004\I648692A.raw

pp 1,3-5

Does Not Comply  
Corrected Diskette Neededall item 4  
in Error Summary  
sheet

4 <110> APPLICANT: Dolly, James Oliver  
 5 Li, Yan  
 6 Chan, C.K.  
 7 Aoki, Kei Roger  
 9 <120> TITLE OF INVENTION: Activatable Recombinant Neurotoxins  
 12 <130> FILE REFERENCE: 17311(BO)  
 14 <140> CURRENT APPLICATION NUMBER: 09/648,692A  
 15 <141> CURRENT FILING DATE: 2000-08-25  
 17 <150> PRIOR APPLICATION NUMBER: 60/150,710  
 18 <151> PRIOR FILING DATE: 1999-08-25  
 20 <160> NUMBER OF SEQ ID NOS: 29  
 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

91 <210> SEQ ID NO: 7  
 92 <211> LENGTH: 65  
 93 <212> TYPE: PRT  
 94 <213> ORGANISM: Artificial Sequence  
 96 <220> FEATURE:  
 97 <223> OTHER INFORMATION: Engineered Intrachain loop region for C. tetani  
 98 toxin  
 100 <400> SEQUENCE: 7  
 101 Ser Lys Leu Ile Gly Leu Cys Lys Lys Ile Ile Pro Pro Thr Asn Ile  
 102 1 5 10 15  
 103 Arg Glu Asn Leu Tyr Asn Arg Thr Ala Gly Glu Lys Leu Tyr Asp Asp  
 104 20 25 30  
 105 Asp Asp Lys Asp Arg Trp Gly Ser Ser Arg Ser Leu Thr Asp Leu Gly

E--&gt; 106

35	40	45	Gly Glu Leu Cys Ile
130 <210> SEQ ID NO: 10			
131 <211> LENGTH: 4017			
132 <212> TYPE: DNA			
133 <213> ORGANISM: Clostridium botulinum			
135 <400> SEQUENCE: 10			
OK			
136 gaattcaagt agtagataat aaaaataatg ccacagattt ttatttattaa taatgtatata			60
137 ttatctcta actgttaac tttaacttat aacaatgtaa atatatattt gtctataaaaa			120
138 aatcaagatt acaattgggt tatatgtat cttaatcatg atataccaaa aaagtcatat			180
139 ctatggatat taaaaaatat ataaatttaa aattaggaga tgctgtatat gccaaaaatt			240
140 aatagttta attataatga tcctgttaat gatagaacaa ttttatataat taaaaccaggc			300
141 ggttgtcaag aatttataa atcatttaat attatgaaaa atattggat aattccagag			360
142 agaaatgtaa ttggtacaac ccccaagat tttcatccgc ctacttcatt aaaaaatgga			420
143 gatagtagtt attatgaccc taatttattta caaagtatg aagaaaagga tagattttta			480

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/648,692A

DATE: 04/23/2004

TIME: 11:49:45

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\04232004\I648692A.raw

144	aaaatagtca	caaaaatatt	taatagaata	aataataatc	tttcaggagg	gattttatta	540
145	gaagaactgt	caaaagctaa	tccatattta	gggaatgata	atactccaga	taatcaattc	600
146	catatgggt	atgcacatcgc	agttgagatt	aaattctcaa	atggtagcca	agacataacta	660
147	ttacctaatg	ttattataat	gggagcagag	cctgatttat	ttgaaactaa	cagttccaaat	720
148	atttctctaa	gaaataatta	tatgccaagc	aatcaccgtt	ttggatcaat	agctata>tagta	780
149	acattctcac	ctgaatattc	ttttagattt	aatgataatt	gtatgaatga	atttatttcaa	840
150	gatcctgctc	ttacattaat	gcatgaatta	atacattcat	tacatggact	atatgggct	900
151	aaagggatta	ctacaagta	tactataaca	caaaaacaaa	atccccta	ataacaaatata	960
152	agaggtacaa	atattgaaga	attcttaact	tttggaggt	ctgatttaaa	cattattact	1020
153	agtgcgtcgt	ccaatgat	ctatactaat	cttctagctg	attataaaaa	aatagcgtct	1080
154	aaacttagca	aagtacaagt	atctaattca	ctacttaatc	cttataaaaga	tgtttttgaa	1140
155	gcaaagtatg	gattagataa	agatgcgtc	ggaatttatt	cggttaat	aaacaaatatt	1200
156	aatgatattt	ttaaaaaatt	atacagctt	acggaattt	atttacgaac	taaatttcaa	1260
157	gttaaatgt	ggcaaaactt	tattggacag	tataaatact	tcaaactt	aaacttggta	1320
158	aatgattcta	tttataat	atcagaaggc	tataatataa	ataattttaa	gtaaattttt	1380
159	agaggacaga	atgc当地	aaatcctaga	attattacac	caattacagg	tagaggacta	1440
160	gtaaaaaaaa	tcattagatt	ttgtaaaaat	attgtttctg	taaaaggcat	aaggaaatca	1500
161	atatgtatcg	aaataaataa	ttgtgagtt	ttttttgtgg	cttccgagaa	tagttataat	1560
162	gatgataata	taaatactcc	taaagaaatt	gacgatacag	taactt	caataattat	1620
163	gaaaatgatt	tagatcagg	tattttaaat	tttaatagt	aatcagcacc	ttgactttca	1680
164	gatgaaaaat	taaattttaac	tatccaaaat	gatgcttata	tacccaaaata	tgatttctaat	1740
165	ggaacaagt	atatagaaca	acatgatgtt	aatgaactt	atgtat	tttctttagat	1800
166	gcacagaaag	tgccccgaagg	tgaaaataat	gtcaatctca	cctcttcaat	tgatacagca	1860
167	ttattagaac	aacctaaaat	atatacattt	tttcatcag	aatttattaa	taatgtcaat	1920
168	aaacctgtgc	aagcagcatt	atttgaagc	ttgatacaac	aagtgttagt	agatttact	1980
169	actgaagcta	acaaaaaaag	tactgttgat	aaaattgcag	atatttctat	agttgttcca	2040
170	tatataggc	ttgctttaaa	tatagaaat	gaagcacaaa	aaggaaattt	taaagatgca	2100
171	cttgaattat	taggacagg	tattttata	gaatttgaac	ccgagcttt	atttccctaca	2160
172	attttagtat	tcacgataaa	atcttttta	ggttcatctg	ataataaaaa	taaagttatt	2220
173	aaagcaataa	ataatgcatt	gaaagaaaga	gatgaaaaat	ggaaagaagt	atatagttt	2280
174	atagtatcga	attggatgac	aaaattat	acacaattt	ataaaagaaa	agaacaaatg	2340
175	tatcaagctt	tacaaaatca	agtaaatgc	attaaaacaa	taatagaatc	taagtataat	2400
176	agttatactt	tagggaaaa	aaatgagctt	acaaaataat	atgtat	ttaa gcaatagaa	2460
177	aatgaactt	atcaaagg	ttctatagca	atgaataata	tagacagg	tttactgtgaa	2520
178	agttctat	cctattat	gaaaataata	aatgaagtaa	aaattaataa	attaagagaa	2580
179	tatgtgaga	atgtcaaaac	gtatttattt	aattatatta	tacaacatgg	atcaatctt	2640
180	ggagagagtc	agcaagaact	aaattctatg	gtaactgata	ccctaaataa	tagtattcc	2700
181	tttaagctt	cttcttatac	agatgataaa	attttattt	catattttaa	taaattctt	2760
182	aagagaatta	aaagttagt	tc agttttaat	atgagatata	aaaatgataa	atacgttagat	2820
183	acttcaggat	atgattcaaa	tataaataatt	aatggagatg	tatataaata	tccactaaat	2880
184	aaaaatcaat	ttgaaatata	taatgataaa	cttagtgaag	ttaatataatc	tcaaaaatgat	2940
185	tacattat	atgataataa	atataaaaat	tttagtatta	gtttttgggt	agaattcct	3000
186	aactatgata	ataagatagt	aaatgttaat	aatgaataca	ctataataaa	ttgtatgaga	3060
187	gataataatt	caggatggaa	agtatcttt	aatcataatg	aaataattt	gacattcgaa	3120
188	gataatcgag	gaattaatca	aaaattagca	tttaactatg	gtaacgc	aaa tggtatttct	3180
189	gattatataa	ataagtggat	ttttgtact	ataactaata	atagattagg	agattctaa	3240
190	cttataatt	atggaaattt	aatagatca	aaatcaattt	taaattttagg	taatattcat	3300
191	gttagtgaca	atataattt	taaaatagtt	aatttgatgtt	atacaagata	tattggatt	3360
192	agatatttt	atattttga	taaagaatta	gatgaaacag	aaattcaaaac	tttatata	3420

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/648,692ADATE: 04/23/2004  
TIME: 11:49:45Input Set : A:\Seqlist.txt  
Output Set: N:\CRF4\04232004\I648692A.raw

193 aatgaaccta atacaatata tttgaaggat ttttgggaa attatttgc ttatgacaaa 3480  
 194 gaatactatt tattaaatgt gttaaaacca aataactta ttgataggag aaaagattct 3540  
 195 accttaagca ttaataatata aagaagcaactt attcttttag ctaatagatt atatagtgg 3600  
 196 ataaaagttt aaatacataaag agttaataat agtagtacta acgataatct tgtagaaag 3660  
 197 aatgatcagg tatataattaa tttgttagcc agcaaaaactc acttatttcc attatatgct 3720  
 198 gatacagctt ccacaatataa agagaaaaca ataaaatata catcatctgg caatagattt 3780  
 199 aatcaagtag tagttatgaa ttcaagtagga aattgtacaa tgaattttaa aaataataat 3840

E--&gt; 200

ggaaaataata ttgggttggt aggttcaag gcagatactg tcgttgctag tacttggtat 3900tatacacata

243 &lt;210&gt; SEQ ID NO: 15

244 &lt;211&gt; LENGTH: 5

245 &lt;212&gt; TYPE: PRT

246 <213> ORGANISM: Site *invalid*248 <220> FEATURE: *<2137 response*

249 &lt;221&gt; NAME/KEY: SITE

250 &lt;222&gt; LOCATION: (1)...(5)

251 &lt;223&gt; OTHER INFORMATION: protease cleavage site

253 &lt;400&gt; SEQUENCE: 15

E--&gt; 254 Asp Asp Asp Asp Lys 1

5

*item 4*

271 &lt;210&gt; SEQ ID NO: 17

272 &lt;211&gt; LENGTH: 5

273 &lt;212&gt; TYPE: PRT

274 &lt;213&gt; ORGANISM: Clostridium species

276 &lt;220&gt; FEATURE:

277 &lt;221&gt; NAME/KEY: ZN\_FING

278 &lt;222&gt; LOCATION: (1)...(5)

279 &lt;223&gt; OTHER INFORMATION: Xaa=any amino acid

281 &lt;400&gt; SEQUENCE: 17

E--&gt; 282 His Glu Xaa Xaa His 1

5

*item 4*

295 &lt;210&gt; SEQ ID NO: 19

296 &lt;211&gt; LENGTH: 22

297 &lt;212&gt; TYPE: PRT

298 &lt;213&gt; ORGANISM: Artificial Sequence

300 &lt;220&gt; FEATURE:

301 &lt;223&gt; OTHER INFORMATION: Linker

303 &lt;400&gt; SEQUENCE: 19

E--&gt; 304

Met Gly Gly Ser His His His His His Gly Met Ala Ser Met Thr 1

306 &lt;210&gt; SEQ ID NO: 20

307 &lt;211&gt; LENGTH: 19

308 &lt;212&gt; TYPE: PRT

309 &lt;213&gt; ORGANISM: Clostridium botulinum

311 &lt;400&gt; SEQUENCE: 20

E--&gt; 312

Ser Leu Thr Asp Leu Gly Gly Glu Leu Cys Ile Lys Ile Lys Asn Glu 1

325 &lt;210&gt; SEQ ID NO: 22

326 &lt;211&gt; LENGTH: 7

327 &lt;212&gt; TYPE: PRT

328 &lt;213&gt; ORGANISM: Artificial Sequence

330 &lt;220&gt; FEATURE:

331 &lt;221&gt; NAME/KEY: SITE

332 &lt;222&gt; LOCATION: (2)...(3)

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/648,692A

DATE: 04/23/2004  
TIME: 11:49:45

Input Set : A:\Seqlist.txt  
Output Set: N:\CRF4\04232004\I648692A.raw

333 <223> OTHER INFORMATION: Xaa=any amino acid  
335 <223> OTHER INFORMATION: Protease cleavage site  
W--> 337 <400> 22  
E--> 338 Glu Xaa Xaa Tyr Ser Gln Ser 1 5 *Item 4*  
340 <210> SEQ ID NO: 23  
341 <211> LENGTH: 7  
342 <212> TYPE: PRT  
343 <213> ORGANISM: Artificial Sequence  
345 <220> FEATURE:  
346 <221> NAME/KEY: SITE  
347 <222> LOCATION: (2)...(3)  
348 <223> OTHER INFORMATION: Xaa=any amino acid  
350 <221> NAME/KEY: SITE  
351 <222> LOCATION: (5)...(5)  
352 <223> OTHER INFORMATION: Xaa=any amino acid  
354 <223> OTHER INFORMATION: Protease cleavage site  
W--> 356 <400> 23  
E--> 357 Glu Xaa Xaa Tyr Xaa Gln Gly 1 5 *Item 4*  
359 <210> SEQ ID NO: 24  
360 <211> LENGTH: 18  
361 <212> TYPE: PRT  
362 <213> ORGANISM: Artificial Sequence  
364 <220> FEATURE:  
365 <223> OTHER INFORMATION: Translated PCR fragment  
367 <400> SEQUENCE: 24  
E--> 368  
Met Arg Gly Ser His His His His His Gly Ser Pro Lys Ile Asn 1 5 *Item 4*

5  
RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/648,692A

DATE: 04/23/2004  
TIME: 11:44:32

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\04232004\I648692A.raw

181	agttctatat	cctatTTAAT	gaaaataata	aatgaagtAA	aaattaataa	attaagagAA	2580
182	tatgatgaga	atgtcaaaac	gtatttattG	aattatatta	tacaacatgg	atcaatcttg	2640
183	ggagagagtc	agcaagaact	aaattctatG	gtaactgata	ccctaaataa	tagtattcct	2700
184	ttaaagcttt	cttcttatac	agatgataAA	atTTtaattt	catattttaa	taaattcttt	2760
185	aagagaatta	aaagttagtc	agTTtaat	atgagatata	aaaatgataa	atacgtagat	2820
186	acttcaggat	atgattcaaa	tataaataatt	aatggagatG	tatataaata	tccaaactaat	2880
187	aaaaatcaat	ttgaaatata	taatgataAA	cttagtgaag	ttaatataatc	tcaaaatgtat	2940
188	tacattatAT	atgataataa	atataaaaat	tttagtattt	gtttttgggt	aagaattcct	3000
189	aactatgata	ataagatagt	aaatgttaat	aatgaataca	ctataataaa	ttgtatgaga	3060
190	gataataatt	caggatggaa	agtatcttt	aatcataatG	aaataatttG	gacattcgaa	3120
191	gataatcgag	gaattaatca	aaaatttagca	ttaactatG	gtaacgcaaa	tgttatttct	3180
192	gattatataa	ataagtggat	ttttgttaact	ataactatG	atagatttagG	agattctaaa	3240
193	ctttatatta	atggaaattt	aatagatcaa	aatcaattt	taaattttagG	taatattcat	3300
194	gttagtgaca	atataattt	taaaatagtt	aattgttagtt	atacaagata	tattggtatt	3360
195	agatattttA	atatttttga	taaagaatta	gatgaaacag	aaattcaaaac	tttatatagc	3420
196	aatgaaccta	atacaatata	tttgaaggat	ttttggggaa	attatttgc	ttatgacaaa	3480
197	gaatactatt	tattaaatgt	gttaaaacca	aataacttta	ttgataggag	aaaagattct	3540
198	actttaagca	ttaataata	aagaagcact	atttttttag	ctaatacgatt	atatagtgga	3600
199	ataaaaagtta	aaatacaaaag	agttataat	agtagtacta	acgataatct	tgttagaaag	3660
200	aatgatcagg	tatataattaa	ttttgttagcc	agcaaaactc	acttatttcc	attatatgc	3720
201	gatacagcta	ccacaaataa	agagaaaaca	ataaaaatat	catcatctgg	caatagattt	3780
202	aatcaagtag	tagttatgaa	ttcagtagga	aattgtacaa	tgaattttaa	aaataataat	3840
203	ggaaataata	ttgggttggt	aggttcaag	gcagatactg	tcgttctag	tacttggat	3900
204	tatacacata	tgagagatca	tacaaacagc	aatggatgtt	tttggactt	tatttctgaa	3960
205	gaacatggat	ggcaagaaaa	ataaaaatta	gattaaacgg	ctaaagtcat	aaattcc	4017
207	<210> SEQ ID NO: 11						
208	<211> LENGTH: 37						
209	<212> TYPE: DNA						

Artificial

C--> 210 <213> ORGANISM: Artificial Sequence  
212 <220> FEATURE:  
213 <223> OTHER INFORMATION: PCR primer  
215 <400> SEQUENCE: 11  
216 cccggatccc caaaaattaa tagtttaat tataatg 37  
218 <210> SEQ ID NO: 12  
219 <211> LENGTH: 36  
220 <212> TYPE: DNA  
221 <213> ORGANISM: PCR primer invalid <213> response  
223 <400> SEQUENCE: 12  
224 cccctgcagt catttttctt gccatccatg ttcttc 36  
226 <210> SEQ ID NO: 13  
227 <211> LENGTH: 31  
228 <212> TYPE: DNA  
229 <213> ORGANISM: Artificial Sequence  
231 <220> FEATURE:  
232 <223> OTHER INFORMATION: PCR primer  
234 <400> SEQUENCE: 13  
235 cagttataac attcattaca tggactatata g 31  
237 <210> SEQ ID NO: 14  
238 <211> LENGTH: 26

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/648,692A

DATE: 04/23/2004  
TIME: 11:49:46

Input Set : A:\Seqlist.txt  
Output Set: N:\CRF4\04232004\I648692A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:7; Line(s) 106  
Seq#:10; Line(s) 200  
Seq#:19; Line(s) 304  
Seq#:20; Line(s) 312  
Seq#:24; Line(s) 368

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/648,692A

DATE: 04/23/2004  
TIME: 11:49:46

Input Set : A:\Seqlist.txt  
Output Set: N:\CRF4\04232004\I648692A.raw

L:106 M:252 E: No. of Seq. differs, <211> LENGTH:Input:65 Found:48 SEQ:7  
L:200 M:360 E: Sequence data overflow, line data truncated, for SEQ ID#:10  
L:200 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:16  
L:200 M:252 E: No. of Seq. differs, <211> LENGTH:Input:4017 Found:3840 SEQ:10  
L:205 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11  
L:254 M:301 E: (44) No Sequence Data was Shown, SEQ ID:15  
L:254 M:252 E: No. of Seq. differs, <211> LENGTH:Input:5 Found:0 SEQ:15  
L:282 M:301 E: (44) No Sequence Data was Shown, SEQ ID:17  
L:282 M:252 E: No. of Seq. differs, <211> LENGTH:Input:5 Found:0 SEQ:17  
L:304 M:301 E: (44) No Sequence Data was Shown, SEQ ID:19  
L:304 M:252 E: No. of Seq. differs, <211> LENGTH:Input:22 Found:0 SEQ:19  
L:312 M:333 E: Wrong sequence grouping, Amino acids not in groups!  
L:337 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
L:338 M:301 E: (44) No Sequence Data was Shown, SEQ ID:22  
L:338 M:252 E: No. of Seq. differs, <211> LENGTH:Input:7 Found:0 SEQ:22  
L:356 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
L:357 M:301 E: (44) No Sequence Data was Shown, SEQ ID:23  
L:357 M:252 E: No. of Seq. differs, <211> LENGTH:Input:7 Found:0 SEQ:23  
L:368 M:333 E: Wrong sequence grouping, Amino acids not in groups!  
L:430 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:29